

Welcome to Volume 4 of the USGS Cooperative Water Program Quarterly Highlights, July 2012

****Please share these highlights with your staff, partners, and other colleagues. Feel free to include these highlights in your organization's newsletters and updates. ****

Highlights are from the [USGS Cooperative Water Program \(CWP\)](#), which monitors and assesses water in every State, protectorate, and territory of the U.S. in partnership with about 1,550 local, State, and Tribal agencies.

The Program provides online access to water data on streams, groundwater and water quality, as well as scientific findings on water availability, ecosystem health, water quality and drinking water, water hazards, energy, and climate.

New highlights this quarter:

- **Hydraulic fracturing** monitoring and assessments across the Nation ([Read more....](#))
- **Coalbed gas production**, elevated sodium bicarbonate associated with produced waters, and possible impacts on aquatic life in Montana and Wyoming ([Read more....](#))
- **Nitrate** - Real-time nitrate monitoring at 13 sites across Iowa ([Read more...](#))
- **Dam-breach** and flood inundation in Oklahoma ([Read more....](#))
- **Groundwater storage and recharge ponds** successful in Stockton, California ([Read more...](#))
- **Toxic compounds** in the Columbia River Basin, Oregon ([Read more....](#))
- **Mercury** flowing from wetlands into San Francisco Bay, California ([Read more....](#))
- **Webcam and real-time imagery** of rising water levels integrated with traffic safety warning system for urban waterway in Columbia, South Carolina ([Read more....](#))
- **Remembrances of 1972 flood** in South Dakota ([Read more....](#))
- **Streamgauge celebration** - USGS celebrates 100-year old streamgauge near Duncan, Nebraska ([Read more...](#))
- **Record groundwater** levels in Louisville, Kentucky - ([Read more...](#))

-- **New google maps deliver current air temperatures** at streams throughout Maine ([Read more....](#))

-- **New map interface and groundwater level network** across Utah ([Read more](#) on this featured network...)

-- **Reservoir storage and water-quality** data available for 59 reservoirs throughout Texas ([Read more...](#))

-- USGS National Research Program details effects of **climate change** on water availability in 14 local basins nationwide ([Read more...](#))

--**Stakeholder recommendations** for the Cooperative Water Program—a national synthesis ([Read more under “Stakeholders Speak”](#))

-- USGS releases a [GeoHealth newsletter](#) highlighting environmental health science, and recent and upcoming publications with an environmental health science emphasis.

-- Coming this September - **Stakeholder webinar on cyanobacteria** and toxic harmful algal blooms. Updates to come!

For questions on specific studies or USGS programs in individual States, please contact the USGS Water Science Director in the respective State by clicking on the “map” in the right hand corner or toggle box in the left sidebar on <http://water.usgs.gov/coop> .

Comments and feedback on the Cooperative Water Program are welcome (pahamilt@usgs.gov).

We look forward to hearing from you.

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